

## SECTION VI—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological and seismological work and studies:

**Åkerblom, Filip.**

Über die Beziehung zwischen Luftdrucksgradient, Wind und Reibung bei stationärer, geradliniger Bewegung. Stockholm. 1916. 19 p. 22 cm. (K. Svenska vetenskapsakademien. Arkiv för matematik, astronomi och fysik, bd. 11, no. 18.)

**Baden. Zentralbureau für Meteorologie und Hydrographie.**

Jahres-Bericht, mit den Ergebnissen der meteorologischen Beobachtungen und der Wasserstandsaufzeichnungen, für das Jahr 1913. Karlsruhe. 1914. 131 p. 6 pl. 33 cm.

**Bonacina, L. C. W.**

Climatic control. 2d ed. London. 1915. 167 p. 17½ cm.

**Clarke, Frank Wigglesworth.**

The data of geochemistry. 3d ed. Washington. 1916. 821 p. 23 cm. (U. S. Geological survey. Bulletin 616.) [Chapter 2: The atmosphere.]

**Clayton, H[enry] Helm.**

World meteorology. Weather variations over the earth's surface generally connected and their relation to food supply and to business conditions very marked. (In Science conspectus, published by the Soc. of arts, Mass. inst. of technology, Boston. 1916. v. 6, no. 1, p. 20-28.)

**Jeans, J. H.**

The dynamical theory of gases. 2d ed. Cambridge. 1916. vi, 436 p. 27 cm.

**Leather, J. Walter.**

Soil temperatures. Calcutta & London. [1915.] p. 19-84. 24½ cm. (Memoirs of the Department of agriculture in India. Chemical series, v. 4, no. 2.)

**Liverpool observatory, Bidston.**

Report of the director, and meteorological results, 1915. Liverpool. 1916. 47 p. 24 cm.

**Lüboslavskii, Gennadii Andreevich.**

Osnovaniia ucheniia o pogodope. [The principles of meteorology.] 2d ed. Petrograd. 1915. vii, 412 p. illus. (incl. charts, diagrs.) 5 pl. 26 cm. [In Russian.]

Sbornik v pamiat professora Gennadiia Andreevicha Lüboslavskago. Petrograd. 1916. iv, 311 p. 9 pl. (incl. port.). 24½ cm. (Otdelnyi ottisk 29 vypuska, Izvlestii Imp. Iteknogo inst.) [Miscellaneous meteorological papers, preceded by brief biographical sketches of the author. In Russian.]

**Magrini, Giovanni.**

Carte annuali delle piogge nella regione veneta, per gli anni 1914 e 1915. Venezia. 1916. 50 p. 2 maps. 26 cm. (Pubbl. n. 68 dell' Ufficio idrografico del R. Magistrato alle acque.)

**Mörkofer, Walter.**

Klimatische Normalwerte für Basel. Basel. 1916. p. 149-155. 23½ cm. (S.-A. aus den Verhandlungen der Naturforschenden Gesellschaft in Basel. Band 27.)

**Nevada. Agricultural experiment station.**

Annual report of the Board of control for the fiscal year ending June 30, 1915. Reno, Nev. 1916. 56 p. 23 cm. ["Department of Meteorology," by J. E. Church, Jr. (incl. report of Mount Rose observatory), p. 46-56.]

**Philippine Islands. Weather bureau.**

Annual report for the year 1914. Part 3. Meteorological observations made at the secondary stations. Manila. 1916. 339 p. 29 cm.

**Platania, F.**

L'Osservatorio meteorologico del Collegio Pennisi. Inizi e Sviluppo. Acireale. 1915. 8 p. 23½ cm.

**Prussia. Landesanstalt für Gewässerkunde.**

Jahrbuch für die Gewässerkunde Norddeutschlands. Abflussjahr 1911. Berlin. 1913. 6 Hefte u. Allgemeiner Teil. 25 cm.

**Switzerland. Abteilung für Wasserwirtschaft.**

Tabellarische Zusammenstellung der Hauptergebnisse der Schweizerischen hydrometrischen Beobachtungen für das Jahr 1913. [In German and French.] Bern. 1915. 87 p. 38½ cm.

**Switzerland. Meteorologische Zentral-Anstalt.**

Annalen. 1914. 51. Jahrg. Zürich. [1915.] v. p. 30½ cm.

**Tennessee. Department of agriculture.**

Tennessee ... Facts about soil, climate, and rainfall. Nashville. [1916?] 69 p. illus. (incl. maps, diagrs.). fold. map. 23 cm.

**Vercelli, Francesco.**

Oscillazioni periodiche e previsione della pressione atmosferica. Milano. 1916. 31 p. 2 pl. 32½ cm. (Pubbl. del Reale osservatorio astron. di Brera in Milano. n. 53.)

**Völler, A.**

Das Grundwasser in Hamburg. Mit Berücksichtigung der Luftfeuchtigkeit, der Lufttemperatur, der Niederschlagsmengen und der Flusswasserstände. 21. Heft, 1912. Hamburg. 1913. 7 p. 3 pl. 34 cm. (Beiheft zum Jahrb. der Hamburg. wissenschaft. Anstalten, 30, 1912.)

**Vosmaer, A.**

Ozone. Its manufacture, properties and uses. New York. 1916. xii, 197 p. illus. plates. 23½ cm.

**Weber, Sophus.**

Undersøgelse over isens damptryk. (In Oversigt over det Kgl. Danske videnskabernes selskabs forhandlinger, 1915. København. 1916. p. 459-507.)

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Engineering news.* New York. v. 76. August 31, 1916.

Hufeland, O. Long-time New York rainfall as basis for sewer design. p. 393-397; 450-454.

*London, Edinburgh and Dublin philosophical magazine.* London. v. 32. September, 1916.

Nichols, E. H. The diurnal variation of atmospheric electrical quantities. p. 282-294.

*Meteorological society of Japan. Journal.* Tokyo. 35th year. September, 1916.

Nakamura, Sawemontarō. Observation of a horizontal rainbow of three bands. p. 13-15.

*Royal society. Proceedings.* London. ser. A. v. 92. no. A 644.

Wilson, C. T. R. On some determinations of the sign and magnitude of electric discharges in lightning flashes. p. 555-574.

- Science. New York. n. s. v. 44. September 15, 1916.*  
*Howe, Eugene C. The determination of relative humidity.*  
*p. 396-398. [Description of a ventilated psychrometer.]*
- Scientific American. New York. v. 115. September 16, 1916.*  
*Bastin, S. Leonard. Curious hygrometers and barometers. Home-made devices that tell the weather. p. 264; 269.*
- Scientific American supplement. New York. v. 82. September 30, 1916.*  
*Miessner, B. F. A new explanation of sound phenomena accompanying disruptive electrical discharges in air. A new theory of thunder. p. 212-214.*
- Académie des sciences. Comptes rendus. Paris. Tome 163. 14 août 1916.*  
*Esclangon, Ernest. Sur les coups de canon et les zones de silence. p. 167-169.*
- Observatoire météorologique du séminaire-collège Saint-Martial. Bulletin semestriel. Port-au-Prince. Juillet-décembre 1915.*  
*Scherer, J. Le cyclone du 12 août 1915 dans la République d'Haïti. p. 154-167.*
- Schweizerische meteorologische Zentral-Anstalt. Annalen. Zürich. 1914.*  
*Quervain, A[lfred] de. Die Ausbreitung des Kanonen donner aus dem Sundgau, Weihnachten 1914. Anhang no. 6. p. 14-16.*
- Società meteorologica italiana. Bollettino bimensuale. Torino. ser. 3. v. 34. Ottobre-novembre 1915.*  
*Negro, Carlo. Indovinelli e curiosità nel campo della meteorologia. p. 60-61.*
- Società sismologica italiana. Bollettino. Modena. v. 19. no. 5-6. 1915.*  
*Cavasino, Alfonso. La frequenza nelle repliche del grande terremoto nella Marsica-Valle del Liri del 13 gennaio 1915. p. 219-291.*
- Palazzo, L[uigi]. Cronistoria dei terremoti etiopici anteriori all'anno 1913. p. 293-350.*
- Navarro Neumanns, Emm. M<sup>e</sup>. S. Essais géophysiques. Travail produit par un tremblement de terre. p. 351-361.*